

SeokJae Yoo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5477063/publications.pdf>

Version: 2024-02-01

37
papers

1,168
citations

516215

16
h-index

433756

31
g-index

37
all docs

37
docs citations

37
times ranked

1479
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Enhanced light extraction from GaN-based light-emitting diodes with holographically generated two-dimensional photonic crystal patterns. <i>Applied Physics Letters</i> , 2005, 87, 203508. | 1.5 | 313 |
| 2 | Metamaterials and chiral sensing: a review of fundamentals and applications. <i>Nanophotonics</i> , 2019, 8, 249-261. | 2.9 | 158 |
| 3 | Chiral Light-Matter Interaction in Optical Resonators. <i>Physical Review Letters</i> , 2015, 114, 203003. | 2.9 | 105 |
| 4 | Measuring the optical permittivity of two-dimensional materials without <i>a priori</i> knowledge of electronic transitions. <i>Nanophotonics</i> , 2019, 8, 263-270. | 2.9 | 77 |
| 5 | Microscopic Origin of Surface-Enhanced Circular Dichroism. <i>ACS Photonics</i> , 2017, 4, 2047-2052. | 3.2 | 52 |
| 6 | Efficient Fizeau drag from Dirac electrons in monolayer graphene. <i>Nature</i> , 2021, 594, 517-521. | 13.7 | 48 |
| 7 | Globally enhanced chiral field generation by negative-index metamaterials. <i>Physical Review B</i> , 2014, 89, . | 1.1 | 44 |
| 8 | Enhancement of Chiroptical Signals by Circular Differential Mie Scattering of Nanoparticles. <i>Scientific Reports</i> , 2015, 5, 14463. | 1.6 | 43 |
| 9 | Bioinspired Toolkit Based on Intermolecular Encoder toward Evolutionary 4D Chiral Plasmonic Materials. <i>Accounts of Chemical Research</i> , 2019, 52, 2768-2783. | 7.6 | 41 |
| 10 | Limitations and Opportunities for Optical Metafluids To Achieve an Unnatural Refractive Index. <i>ACS Photonics</i> , 2017, 4, 2298-2311. | 3.2 | 39 |
| 11 | Effective permittivity for resonant plasmonic nanoparticle systems via dressed polarizability. <i>Optics Express</i> , 2012, 20, 16480. | 1.7 | 28 |
| 12 | Circularly Polarized Emission from Organic-Inorganic Hybrid Perovskites <i>via</i> Chiral Fano Resonances. <i>ACS Nano</i> , 2021, 15, 13781-13793. | 7.3 | 28 |
| 13 | Loss-Free Negative-Index Metamaterials Using Forward Light Scattering in Dielectric Meta-Atoms. <i>ACS Photonics</i> , 2018, 5, 1370-1374. | 3.2 | 23 |
| 14 | Topological Control of 2D Perovskite Emission in the Strong Coupling Regime. <i>Nano Letters</i> , 2021, 21, 10076-10085. | 4.5 | 22 |
| 15 | Large-area plasmon enhanced two-dimensional MoS ₂ . <i>Nanoscale</i> , 2017, 9, 16244-16248. | 2.8 | 21 |
| 16 | Gate-tunable plasmons in mixed-dimensional van der Waals heterostructures. <i>Nature Communications</i> , 2021, 12, 5039. | 5.8 | 20 |
| 17 | Plasmon Enhanced Direct Bandgap Emissions in Cu ₇ S ₄ @Au ₂ S@Au Nanorings. <i>Small</i> , 2016, 12, 5728-5733. | 5.2 | 16 |
| 18 | Robust numerical evaluation of circular dichroism from chiral medium/nanostructure coupled systems using the finite-element method. <i>Scientific Reports</i> , 2018, 8, 8406. | 1.6 | 16 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Spectroscopic ellipsometry for low-dimensional materials and heterostructures. <i>Nanophotonics</i> , 2022, 11, 2811-2825. | 2.9 | 14 |
| 20 | Causal homogenization of metamaterials. <i>Nanophotonics</i> , 2019, 8, 1063-1069. | 2.9 | 9 |
| 21 | Maximal Visible Light Energy Transfer to Ultrathin Semiconductor Films Enabled by Dispersion Control. <i>Advanced Optical Materials</i> , 2019, 7, 1801229. | 3.6 | 9 |
| 22 | Anomalous Wavelength Scaling of Tightly Coupled Terahertz Metasurfaces. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19331-19335. | 4.0 | 8 |
| 23 | Molecular chirality detection using plasmonic and dielectric nanoparticles. <i>Nanophotonics</i> , 2022, 11, 1897-1904. | 2.9 | 8 |
| 24 | Strong visible magnetic resonance of size-controlled silicon-nanoblock metasurfaces. <i>Applied Physics Express</i> , 2016, 9, 042001. | 1.1 | 6 |
| 25 | Tunneling Spectroscopy in Carbon Nanotube-Hexagonal Boron Nitride-Carbon Nanotube Heterojunctions. <i>Nano Letters</i> , 2020, 20, 6712-6718. | 4.5 | 6 |
| 26 | Extraordinary Figure-of-Merit of Magnetic Resonance from Ultrathin Silicon Nanohole Membrane as All-Dielectric Metamaterial. <i>Advanced Optical Materials</i> , 2017, 5, 1600628. | 3.6 | 4 |
| 27 | Polarimetric microscopy for optical control and high precision measurement of valley polarization. <i>Review of Scientific Instruments</i> , 2018, 89, 063118. | 0.6 | 3 |
| 28 | Electromagnetic metamaterial simulations using a GPU-accelerated FDTD method. <i>Journal of the Korean Physical Society</i> , 2015, 67, 2026-2032. | 0.3 | 2 |
| 29 | Optically Patternable Metamaterial Below Diffraction Limit. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18405-18409. | 4.0 | 2 |
| 30 | Infrared Light-Emitting Devices from Antenna-Coupled Luttinger Liquid Plasmons In Carbon Nanotubes. <i>Physical Review Letters</i> , 2021, 127, 257702. | 2.9 | 2 |
| 31 | Gyroelectric guided modes with transverse optical spin. <i>Optics Express</i> , 2021, 29, 10631. | 1.7 | 1 |
| 32 | Improvement of effective medium approximation for dense plasmonic nanoparticle monolayers. , 2011, , . | | 0 |
| 33 | Fano resonant chiral electromagnetic fields by metasurfaces. , 2015, , . | | 0 |
| 34 | Light extraction efficiency enhancement using surface-structured light-emitting diodes with a subwavelength coating. <i>Journal of the Korean Physical Society</i> , 2016, 68, 462-466. | 0.3 | 0 |
| 35 | Label-Free Sensing: Extraordinary Figure-of-Merit of Magnetic Resonance from Ultrathin Silicon Nanohole Membrane as All-Dielectric Metamaterial (<i>Advanced Optical Materials</i> 3/2017). <i>Advanced Optical Materials</i> , 2017, 5, . | 3.6 | 0 |
| 36 | Analysis on the surface-enhanced circular dichroism spectroscopy. , 2017, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Correction to "Loss-Free Negative-Index Metamaterials Using Forward Light Scattering in Dielectric Meta-Atoms". ACS Photonics, 2018, 5, 2537-2537. | 3.2 | 0 |